

Textarea

A powerful multi-line text input component designed for collecting longer text content with comprehensive form integration, validation support, and accessibility features. Supports Angular Forms (reactive and template-driven), custom styling, and advanced features like processing gradient borders.

How to use

Basic Usage

Simple textarea implementations with labels and basic functionality.

```
import { AavaTextareaComponent } from "@aava/play-core";
```

Sizes

Three size variants to accommodate different interface requirements and content needs.

```
&lt;aava-textarea  
placeholder="Enter your text here..."  
[rows]="4"  
(change)="onTextareaChange($event)"  
[processing]="true"  
variant="primary"  
&gt;&lt;/aava-textarea&gt;
```

Available Sizes

- xs (Extra Small) : Very compact, ideal for tight spaces or dense forms
- sm (Small) : Compact for space-constrained interfaces
- md (Medium) : Standard size for most use cases (default)
- lg (Large) : Prominent for primary content input areas
- xl (Extra Large) : Very prominent, used for standout or high-visibility inputs

Variants

Color variants for different contexts, states, and semantic meanings.

```
onTextareaChange(event: Event) {  
  const target = event.target as HTMLTextAreaElement;  
  console.log('Textarea value changed:', target.value);  
}
```

Style Variants

- default : Standard neutral appearance
- primary : Brand color for important inputs
- success : Green for positive confirmation states
- error : Red for validation errors and critical states
- warning : Orange for caution and attention states
- info : Blue for informational content and tips

Accessibility

Built-in accessibility features ensuring inclusive user experience.

```

<!><aava-textarea
    label="Extra Small"
    placeholder="Extra small textarea..."
    size="xs"
    [rows]="2"
    (change)="onTextareaChange($event)"
>&lt;/aava-textarea&gt;

<!><aava-textarea
    label="Small"
    placeholder="Small textarea..."
    size="sm"
    [rows]="2"
    (change)="onTextareaChange($event)"
>&lt;/aava-textarea&gt;

<!><aava-textarea
    label="Medium"
    placeholder="Medium textarea..."
    size="md"
    [rows]="3"
    (change)="onTextareaChange($event)"
>&lt;/aava-textarea&gt;

<!><aava-textarea
    label="Large"
    placeholder="Large textarea..."
    size="lg"
    [rows]="4"
    (change)="onTextareaChange($event)"
>&lt;/aava-textarea&gt;

<!><aava-textarea
    label="Extra Large"
    placeholder="Extra large textarea..."
    size="xl"
    [rows]="4"
    (change)="onTextareaChange($event)"
>&lt;/aava-textarea&gt;

```

Accessibility Features

- Keyboard Navigation : Full keyboard support with proper focus management
- Screen Reader Support : Semantic HTML and ARIA attributes
- Error Announcements : Live regions for dynamic error messaging
- Focus Indicators : Clear visual focus states for navigation
- Label Association : Proper form control labeling and description
- High Contrast : Support for high contrast accessibility modes

API Reference

Inputs

| Property | Type | Default | Description |
|-------------|--|-----------|---|
| label | string | " | Label text displayed above the textarea |
| placeholder | string | " | Placeholder text shown when textarea is empty |
| variant | 'default' 'primary' 'success' 'error' 'warning' 'info' | 'default' | Color variant for styling |
| size | 'xs' , 'sm' , 'md' , 'lg' , 'xl' | 'md' | Size variant of the textarea |
| disabled | boolean | false | Whether the textarea is disabled |
| readonly | boolean | false | Whether the textarea is read-only |
| error | string | " | Error message to display |
| helper | string | " | Helper text to provide guidance |
| rows | number | 3 | Number of visible text lines |
| id | string | " | HTML id attribute for the textarea |
| name | string | " | HTML name attribute for form submission |

| Property | Type | Default | Description |
|---------------------------|------------------------|-----------|---|
| maxlength | number | " | Maximum number of characters allowed |
| minlength | number | " | Minimum number of characters required |
| required | boolean | false | Whether the field is required |
| fullWidth | boolean | false | Whether to take full width of container |
| style | Record<string, string> | " | Custom CSS styles object |
| resizable | boolean | true | Whether the textarea can be resized vertically |
| autoResize | boolean | false | Whether to automatically resize height to fit content |
| processing | boolean | false | Whether to show processing state |
| processingGradient Border | boolean | false | Whether to show animated gradient border |
| processingGradient Colors | string[] | See below | Array of colors for gradient animation |

Outputs

| Event | Type | Description |
|-------|---------------------|------------------------------------|
| blur | EventEmitter<Event> | Emitted when the input loses focus |

| Event | Type | Description |
|----------------|---------------------|--|
| focus | EventEmitter<Event> | Emitted when the input gains focus |
| input | EventEmitter<Event> | Emitted on every input change |
| change | EventEmitter<Event> | Emitted when the input value changes |
| iconStartClick | EventEmitter<Event> | Emitted when the start icon is clicked |
| iconEndClick | EventEmitter<Event> | Emitted when the end icon is clicked |

Properties

| Property | Type | Description |
|-----------|---------|--------------------------------------|
| value | string | Current textarea value |
| isFocused | boolean | Whether textarea currently has focus |
| hasError | boolean | Whether textarea has error state |
| hasHelper | boolean | Whether textarea has helper text |

Methods

| Method | Parameters | Return Type | Description |
|--------------------|-----------------------------|-------------|--|
| writeValue() | value: string | void | Set textarea value (ControlValueAccess or) |
| registerOnChange() | fn: (value: string) => void | void | Register change callback |

| Method | Parameters | Return Type | Description |
|---------------------|---------------------|-------------|---------------------------|
| registerOnTouched() | fn: () => void | void | Register touched callback |
| setDisabledState() | isDisabled: boolean | void | Set disabled state |

CSS Custom Properties

| Property | Description |
|--------------------------------|---|
| --textbox-gap | Base gap between textarea elements |
| --textbox-gap-xs | Gap for extra small size variant |
| --textbox-gap-sm | Gap for small size variant |
| --textbox-gap-lg | Gap for large size variant |
| --textbox-gap-xl | Gap for extra large size variant |
| --textbox-label-font | Font family for labels |
| --textbox-label-color | Color for label text |
| --textbox-label-weight | Font weight for label text |
| --textbox-xs-label-font-size | Label font size for extra small variant |
| --textbox-xs-label-weight | Label font weight for extra small variant |
| --textbox-xs-label-line-height | Line height for extra small label |
| --textbox-xs-label-font-style | Font style for extra small label |
| --textbox-sm-label-font-size | Label font size for small variant |
| --textbox-sm-label-weight | Label font weight for small variant |
| --textbox-sm-label-line-height | Line height for small label |
| --textbox-sm-label-font-style | Font style for small label |
| --textbox-md-label-font-size | Label font size for medium variant |
| --textbox-md-label-weight | Label font weight for medium variant |
| --textbox-md-label-line-height | Line height for medium label |
| --textbox-md-label-font-style | Font style for medium label |

| Property | Description |
|---------------------------------------|---|
| --textbox-lg-label-font-size | Label font size for large variant |
| --textbox-lg-label-weight | Label font weight for large variant |
| --textbox-lg-label-line-height | Line height for large label |
| --textbox-lg-label-font-style | Font style for large label |
| --textbox-xl-label-font-size | Label font size for extra large variant |
| --textbox-xl-label-weight | Label font weight for extra large variant |
| --textbox-xl-label-line-height | Line height for extra large label |
| --textbox-xl-label-font-style | Font style for extra large label |
| --textbox-required-color | Color for required field indicator |
| --textbox-textarea-container-padding | Padding around textarea container |
| --textbox-background | Background color of the textarea |
| --glass-50-border | Glass border style for textarea |
| --textbox-textarea-hover-primary | Primary hover color for textarea |
| --textbox-textarea-hover-border-width | Border width on hover |
| --textbox-textarea-focus-primary | Primary color for focus state |
| --textbox-border-error-color | Border color when there is an error |
| --textbox-background-disabled | Background for disabled state |
| --textbox-border-disabled-color | Border color for disabled state |
| --textbox-background-readonly | Background for readonly state |
| --textbox-border-readonly-color | Border color for readonly state |
| --textbox-xs-border-radius | Border radius for extra small variant |
| --textbox-sm-border-radius | Border radius for small variant |
| --textbox-md-border-radius | Border radius for medium variant |
| --textbox-lg-border-radius | Border radius for large variant |
| --textbox-xl-border-radius | Border radius for extra large variant |

| Property | Description |
|----------------------------------|--|
| --textbox-input-xs-padding | Padding inside extra small input |
| --textbox-input-sm-padding | Padding inside small input |
| --textbox-input-md-padding | Padding inside medium input |
| --textbox-input-lg-padding | Padding inside large input |
| --textbox-input-xl-padding | Padding inside extra large input |
| --textbox-input-font | Font family for input text |
| --textbox-input-color | Text color for input |
| --textbox-input-padding | General input padding |
| --textbox-textarea-min-height | Minimum height of textarea |
| --textbox-textarea-min-height-xs | Minimum height for extra small variant |
| --textbox-textarea-min-height-sm | Minimum height for small variant |
| --textbox-textarea-min-height-md | Minimum height for medium variant |
| --textbox-textarea-min-height-lg | Minimum height for large variant |
| --textbox-textarea-min-height-xl | Minimum height for extra large variant |
| --textbox-input-xs-font-size | Font size for extra small input |
| --textbox-input-xs-font-weight | Font weight for extra small input |
| --textbox-input-xs-font-style | Font style for extra small input |
| --textbox-input-xs-line-height | Line height for extra small input |
| --textbox-input-sm-font-size | Font size for small input |
| --textbox-input-sm-font-weight | Font weight for small input |
| --textbox-input-sm-font-style | Font style for small input |
| --textbox-input-sm-line-height | Line height for small input |
| --textbox-input-md-font-size | Font size for medium input |
| --textbox-input-md-font-weight | Font weight for medium input |
| --textbox-input-md-font-style | Font style for medium input |

| Property | Description |
|-------------------------------------|---|
| --textbox-input-md-line-height | Line height for medium input |
| --textbox-input-lg-font-size | Font size for large input |
| --textbox-input-lg-font-weight | Font weight for large input |
| --textbox-input-lg-font-style | Font style for large input |
| --textbox-input-lg-line-height | Line height for large input |
| --textbox-input-xl-font-size | Font size for extra large input |
| --textbox-input-xl-font-weight | Font weight for extra large input |
| --textbox-input-xl-font-style | Font style for extra large input |
| --textbox-input-xl-line-height | Line height for extra large input |
| --textbox-affix-padding | Padding for affix elements |
| --textbox-affix-color | Color of affix elements |
| --textbox-affix-font-size | Font size of affix elements |
| --textbox-affix-background | Background of affix elements |
| --textbox-affix-border-radius | Border radius of affix elements |
| --textbox-affix-disabled-color | Disabled color for affix elements |
| --textbox-affix-disabled-background | Disabled background for affix elements |
| --textbox-error-gap | Gap between textarea and error text |
| --textbox-error-color | Color for error messages |
| --textbox-error-font-size | Font size for error messages |
| --textbox-xs-error-font-size | Font size for error text in extra small variant |
| --textbox-sm-error-font-size | Font size for error text in small variant |
| --textbox-md-error-font-size | Font size for error text in medium variant |
| --textbox-lg-error-font-size | Font size for error text in large variant |
| --textbox-xl-error-font-size | Font size for error text in extra large variant |
| --textbox-helper-gap | Gap between textarea and helper text |

| Property | Description |
|--------------------------------|--|
| --textbox-helper-color | Color for helper text |
| --textbox-helper-font-size | Font size for helper text |
| --textbox-xs-helper-font-size | Helper font size for extra small variant |
| --textbox-sm-helper-font-size | Helper font size for small variant |
| --textbox-md-helper-font-size | Helper font size for medium variant |
| --textbox-lg-helper-font-size | Helper font size for large variant |
| --textbox-xl-helper-font-size | Helper font size for extra large variant |
| --textbox-border-primary-color | Primary border color |
| --processing-gradient-colors | Colors for gradient animation |

Best Practices

Design Guidelines

- Use appropriate row heights for expected content length
- Provide clear labels and helper text for guidance
- Choose semantic variants that match content purpose
- Enable resizing for longer content input areas
- Consider processing states for form submissions

Accessibility

- Always provide meaningful labels for screen readers
- Use helper text to explain input requirements
- Ensure error messages are descriptive and actionable
- Maintain sufficient color contrast for all variants
- Test keyboard navigation and screen reader compatibility

Performance

- Use OnPush change detection strategy for better performance
- Avoid frequent style changes that trigger repaints
- Consider debouncing for real-time validation
- Use trackBy functions for dynamic textarea lists